

Kansas Department of Health and Environment

Bureau of Environmental Remediation, Remedial Section

Voluntary Cleanup and Property Redevelopment Program



Arbors of Olathe

Background:

On April 16, 2001 petroleum impacted soils were discovered by workers installing a sewer line for an apartment complex to be located on the Arbors of Olathe property. The discovery was reported to the KDHE, Northeast District Office (NEDO) the next day and a NEDO site visit documented surface and subsurface petroleum contamination. The subject property is located adjacent to the Williams Pipeline Terminal and a petroleum pipeline easement. The easement property was identified as a potential source due to the proximity of the easement to the Arbors property. Shortly after the sewer line discovery, a subsurface investigation was performed to identify the petroleum source and to determine the extent of impacted soils. Arbors of Olathe applied to the KDHE Voluntary Cleanup and Property Redevelopment Program (VCPRP) to address potential environmental liability associated with the identified contamination; a Voluntary Agreement between KDHE and Arbors of Olathe was executed on July 3, 2001.

Solution:

In order to facilitate the Arbor Lakes development project, site cleanup consisted of excavation and removal of contaminated soil. The extent of the excavation was designed to remove all soils with petroleum concentrations exceeding KDHE cleanup levels. Interim remediation consisted of removal of petroleum impacted soil from a future apartment building location and removal of impacted soil during water and sewer line installations. Overburden soil without impact, or with impact below RSK, was stockpiled onsite and used as backfill. Approximately 6,870 cubic yards of impacted soil were land farmed offsite. Ground water was not encountered during excavation to 12 feet bgs. Remediation resulted in removal of petroleum contaminated soil from the entire footprint of the apartment building prior to construction in the impacted area. A No Further Action determination was provided for the property based on successful cleanup.



Contaminated soil excavation and removal.



Sampling activities

Benefits:

- Approximately 6,870 cubic yards of impacted soil removed.